1st and Final Bill

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Sri. Chetan N.S. 11102

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :-> Improvements to Roads and Drains at Vemana Layout and Surrounding areas in ward No. 13, (Doddabommasandra).						
	Work order :-> BBMP/EE/BTP/WO/190/2022-23. Dated :-> 24-03-2023.						
	Job Code :-> 013-23-000013.						
	Estimate Cost :-> 50.00 Lakhs.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Removing and Resetting of foot path Slab						
	=> 155.25 Sqm @ Rs 246.52 => 38272.23/-						
	2) Earth work Excavation by manual means for drains, Canals, waste weir, Draft approach channels, key trenches, foundation of bridges						
	=> 257.53 Cum @ Rs 214.63 => 55273.02/-						
	3) Providing and laying in position plain Cement Concrete Mix 1:3:6 (M_{10}) for levelling course for all works in foundation. using 40mm nominal size graded crushed coarse Aggregates.						
	=> 15.23 Cum @ Rs 6408.76 => 97602.21/-						

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work..... 11103

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6) -ug	providing and laying in position plain cement Concrete for all works in foundation. the granite / trap / basalt crushed graded coarse aggregate.						Concrete for levelli
	=> 7.40 Cum @ Rs		6609.54			=> 48877.55/-	
7)	providing and laying in position Reinforced Cement Concrete for all Sub structures of buildings, Irrigation works, Sub structure works of Bridges, Drain works and other parallel works.						
	=> 51.50 Cum @ Rs		7230.80			=> 372382.58	

Assistant Executive Engine
Vidyaranyapura Sub Divisio
B.B.M.P, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

8) Supplying, Fitting and placing un-Coated TMT bar Reinforcement in Sub-Structure Complete as per Drawing and Technical Specification.

=> 1.76 Tn @ Rs 106354.96 => 187065.54/-

9) Providing and Fixing per cost covering Slab made out of CC 1:2:4 with 10cm thick and Finishing Cutting, including Form, works, Curing.

=> 254.52 Sqm @ Rs 2173.53 => 553206.86.

10) Providing and Fixing per Cost Covering Slab 250 mm thick made out of CC 1:2:4 and Jelly 20mm Down size with Steel Reinforcement

=> 0.00 Sqm @ Rs 5283.81 = 0.00/-

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work..... 11104

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Earthworks in Surface Excavation by mechanical means for Covering and Levelling the ground for all works other than foundation in all kinds of Soil and upto depth.						
	=> 187.13 Cum @ Rs 75.00 => 14034.38/-						
	Above 125% => 181.81 Cum @ Rs 75.00 => 13634.79/-						
14)	providing, Laying, Spreading and Compacting Graded Stone aggregate to wet mix Macadam Specification including premixing the Material						
	=> 233.91 Cum @ Rs 2762.44 => 646169.25/-						
	Above 125% => 60.56 Cum @ Rs 2762.44 => 167303.03/-						

Assistant Executive Engine
Vidyaranyapura Sub Divisio
B.B.M.P, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Providing and applying primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer => 935.63 Sqm @ Rs 48.46 => 45340.39/- Above 125% => 306.66 Sqm @ Rs 48.46 => 14860.74/-						
16)	Providing and Laying Dense Graded Bitumious macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading premixed with bitumious binder VG30 @ 4.5 per cent. => 46.79 Cum @ Rs 10545.59 => 493401.79/- Above 125% => 15.33 Cum @ Rs 10545.59 => 161629.47						

Assistant Executive E
Vidyaranyapu
B.B.M.P, B

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work..... 11105

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17)	Providing and applying Tack Coat with RS 1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m².						
	=> 3118.75 Sqm @ Rs				16.15	=> 50367.81/-	
	Above 12.5% => 496.33 Sqm @ Rs				16.15	=> 8015.73/-	
18)	Providing and laying Bituminous Concrete with 40/60 TPH Capacity hot mix plant using crushed aggregate of Specified grading, premixed with bituminous binder VG-30 @ 5.4 Per cent.						
	=> 96.91 Cum @ Rs				12244.03	=> 1186527.32/-	

Assistant Executive Engine
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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	19) Road Marking with Hot applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface providing and laying of hot applied thermoplastic compound 2.5 mm thick						
	=> 99.74 Sqm @ Rs 551.56 =>					55012.59/-	
	20) Loading and unloading of Stone Boulders / Stone aggregates / Sand / Kankar / Moorum.						
	=> 521.69 Cum @ Rs 85.39 =>					44546.90/-	
	Above 25 % => 104.78 Cum @ Rs 85.39 =>					8946.74/-	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

...ems of excesses over sanctioned estimate

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... 11106

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
21)	Cost of Haulage Excluding loading and unloading and Lead 10km = 180 t.km.					Taking	output 18t load
	=> 667.75 T.km @ Rs 121.16 => 80904.59/-						
	Above 25% => 134.12 T.km @ Rs 121.16 => 16250.22/-						
EIRL							
E1)	Providing and constructing bed bearings wall with solid concrete blocks of size 400x150x200mm having block density more than 1800 kg/m³						
	=> 52.60 Sqm @ Rs 1231.21 => 64761.71/-						

Assistant Executive Engineer
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B.B.M.P, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	E2) Providing BF slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing, curing etc.,						
	=> 21.87 Sqm @ Rs 878.01 => 19202.14/-						
	Total = 4443590.73/-						
	GST 18% = 799846.33/-						
	Grand Total = 5243437.07/-						

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

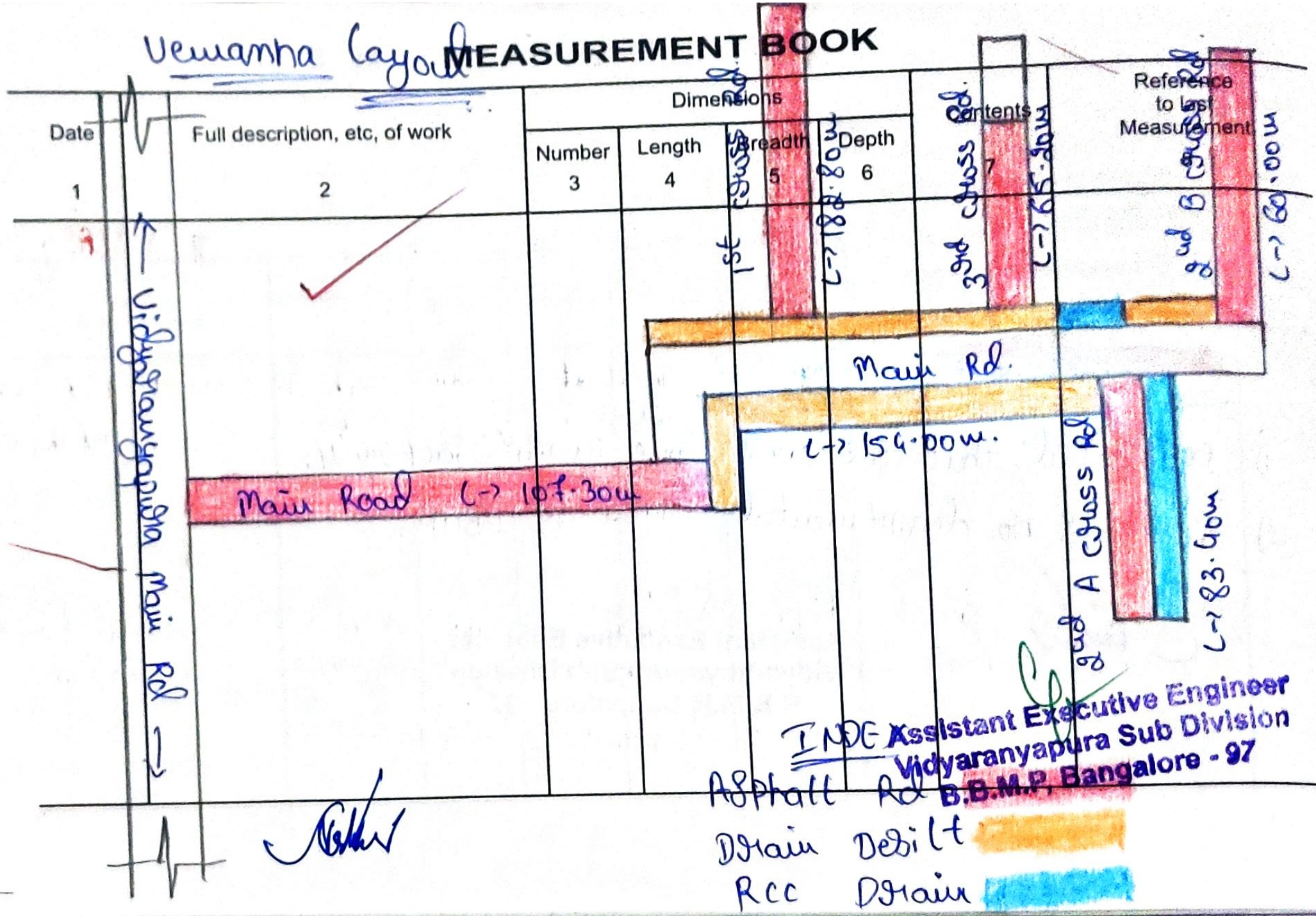
Date of commencement of work..... 11107

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate :->						
	1) certified that the work done in satisfactory ly.						
	2) There is no departmental issues by BBMP.						
	Assistant Executive Engineer Vidyaranyapura Sub Division B.B.M.P, Bangalore - 97						

Vemanna Layout

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	



IMDC

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Asphalt Rd

Drain Desilt

RCC Drain

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work..... 11108

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	First & Final P-3726				BA - 5243487=N		
	ಲೆಕ್ಕಪತ್ರ 5243487=ಇ ರಚಿ				DT - 52435=N		
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 26173=ಇ ತಿಳಿಸಿ ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.				CGST - 44436=N		
	ಇದರಲ್ಲಿ ರೂ 4982264=ಇ ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ				SGST - 44436=N		
	ಮಾಡಿಕೊಂಡು ರೂ. ಗಳನ್ನು				LC - 52435=N		
	FT/NEFT/RTGS ಮುಖಾಂತರ ನಿಡಬಹುದಾಗಿದೆ				CESS - 6244=N		
	13/6/23				LR - 62187=N		
	ಸಹಾಯಕ ಅಭಿಯಂತರರು ನಿರ್ವಾಹಕರು ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು				TD - 26173=N		
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವ್ಯಾಪಾರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು				GNAT - 4982264=N		